

Fig. 1A

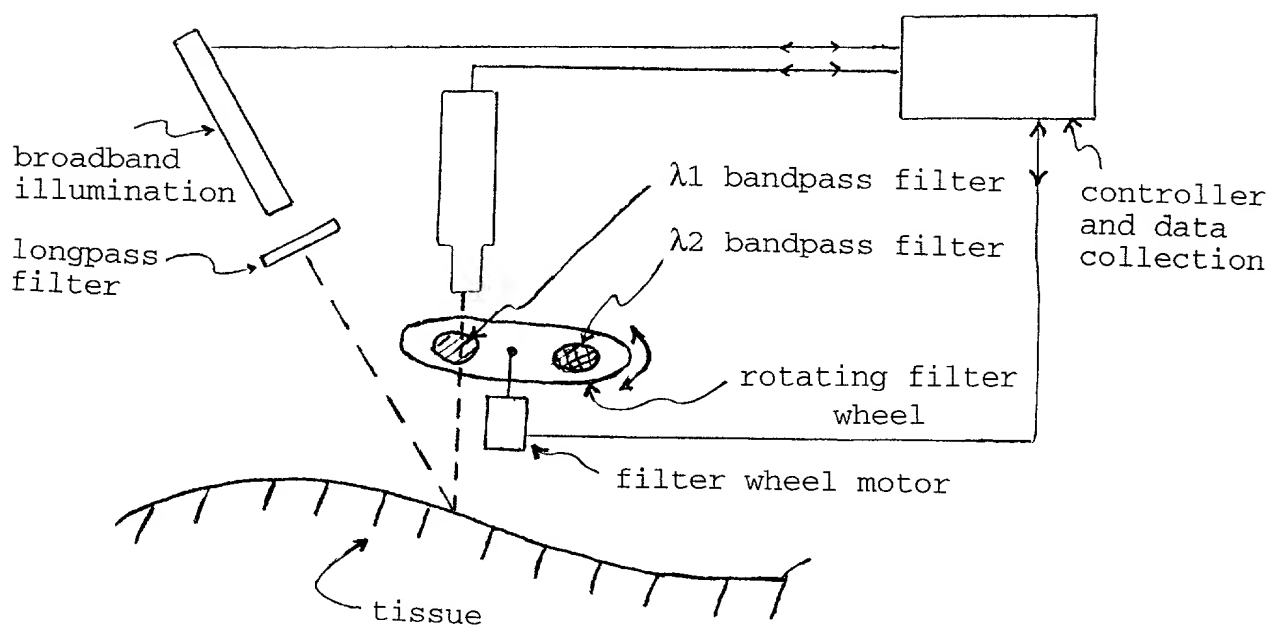


Fig. 1B

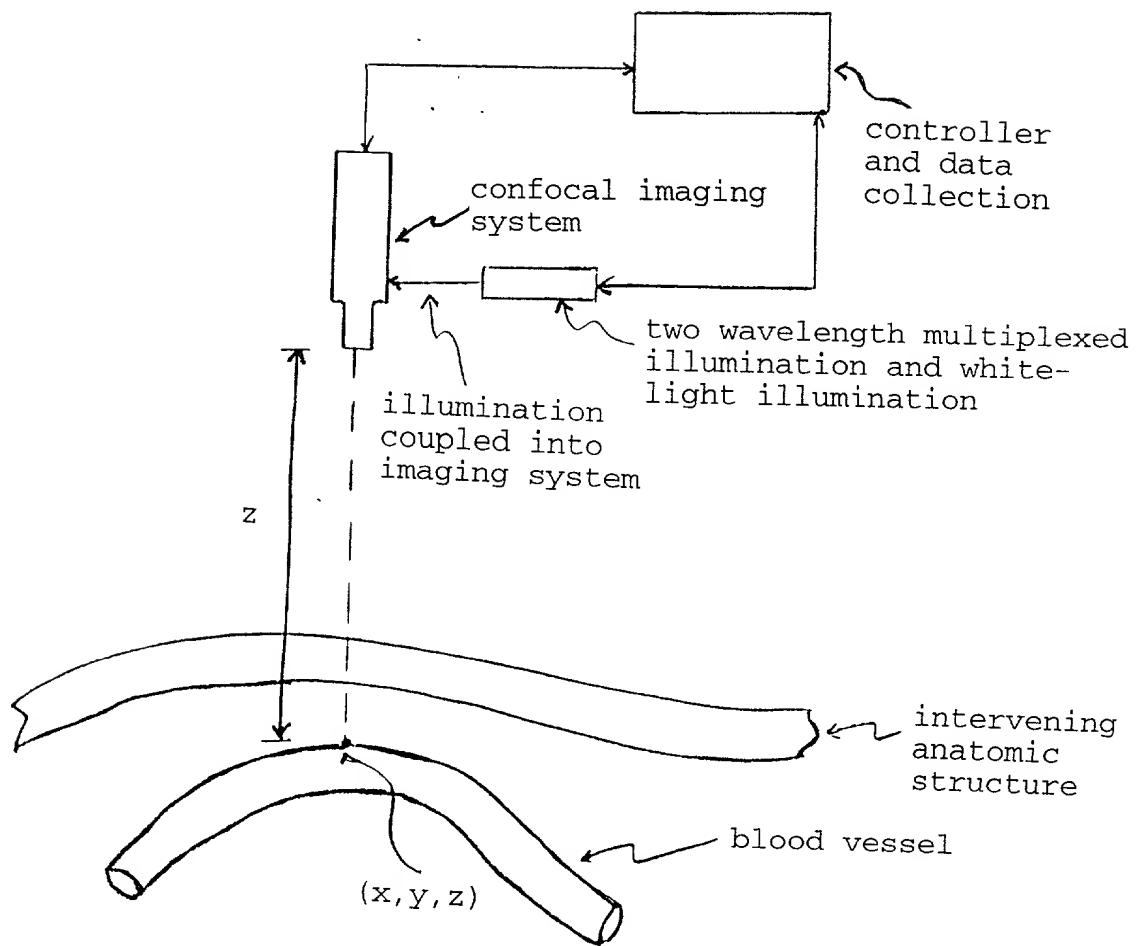


Fig. 2

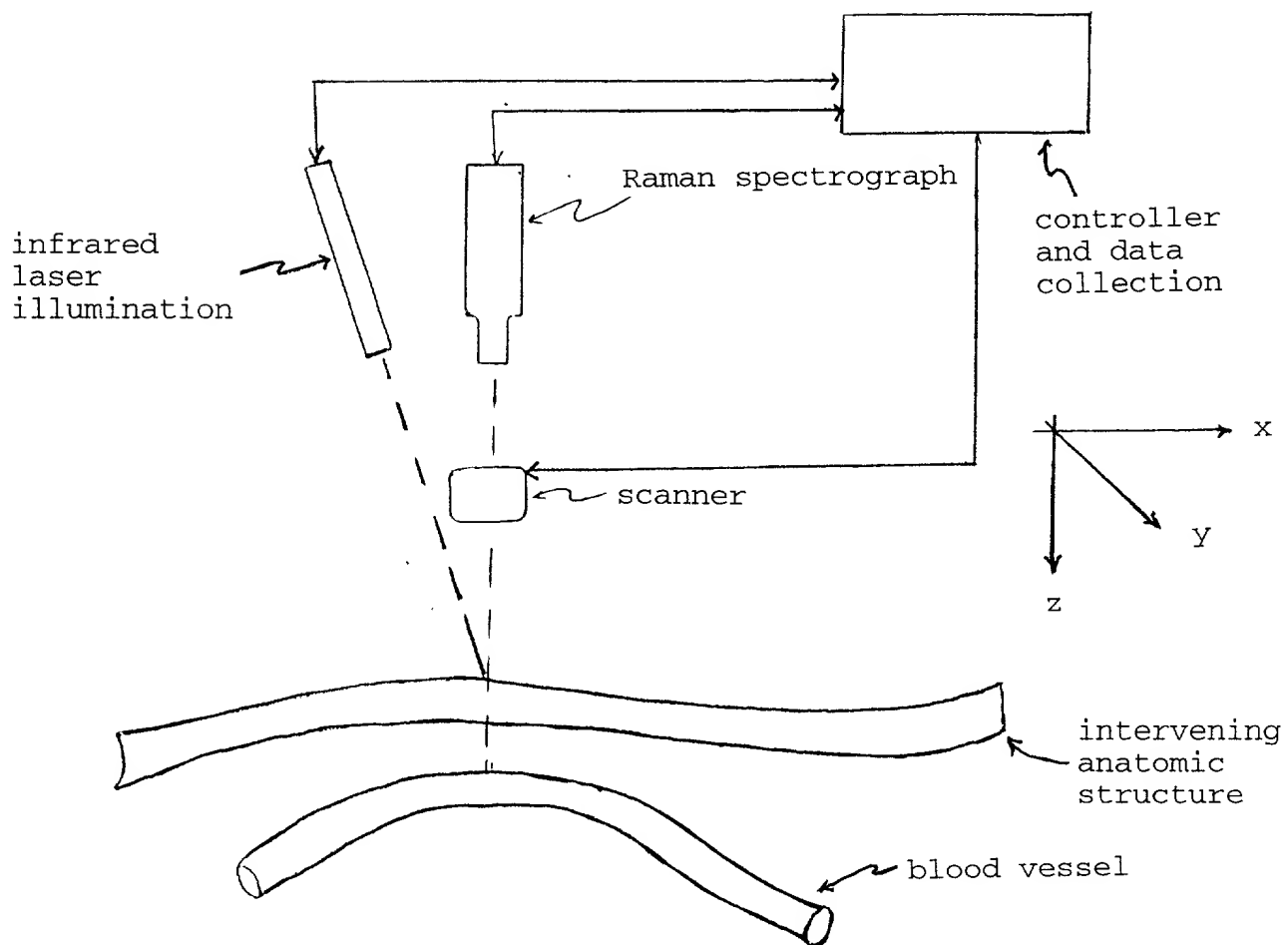


Fig. 3

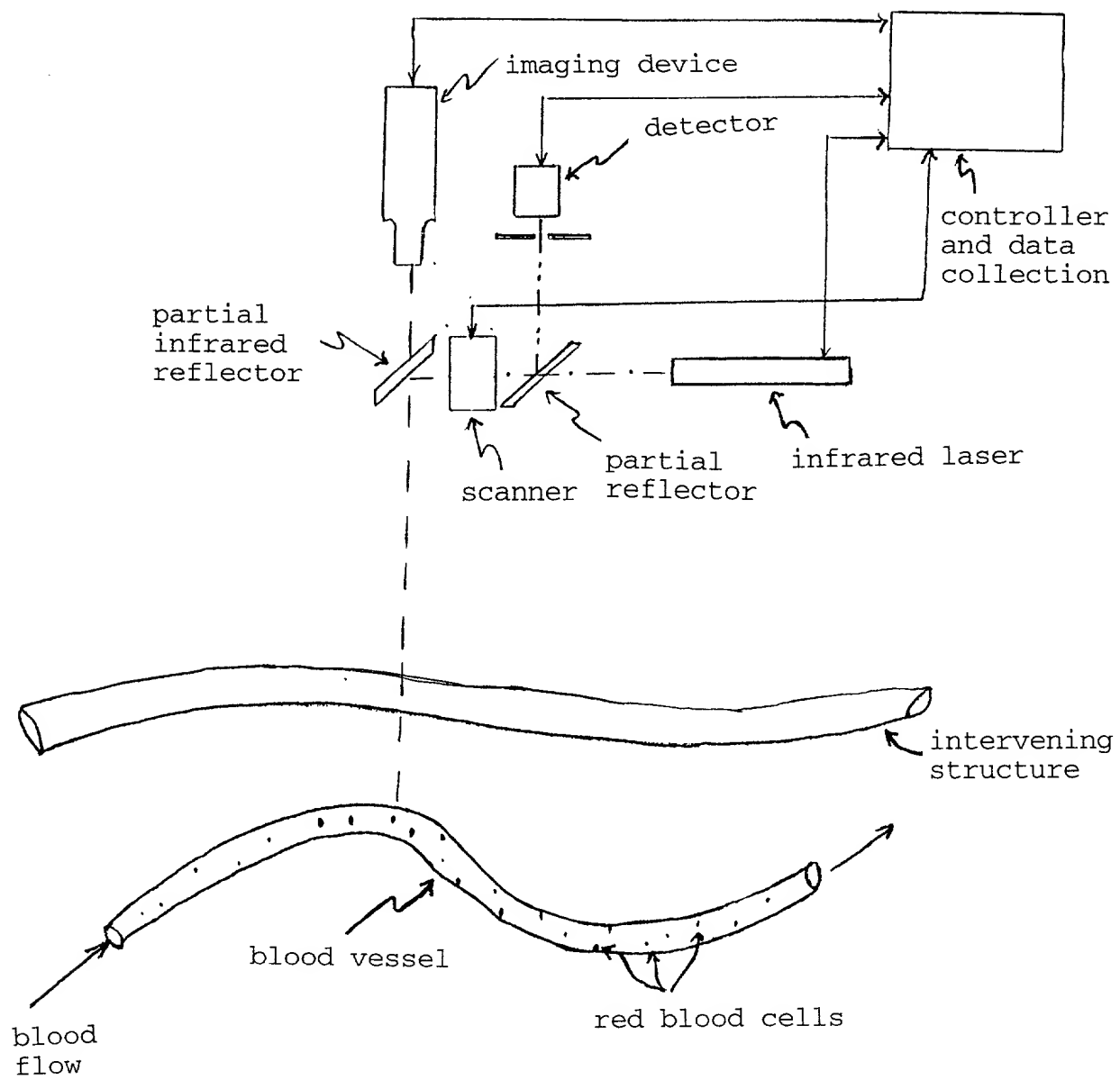


Fig. 4

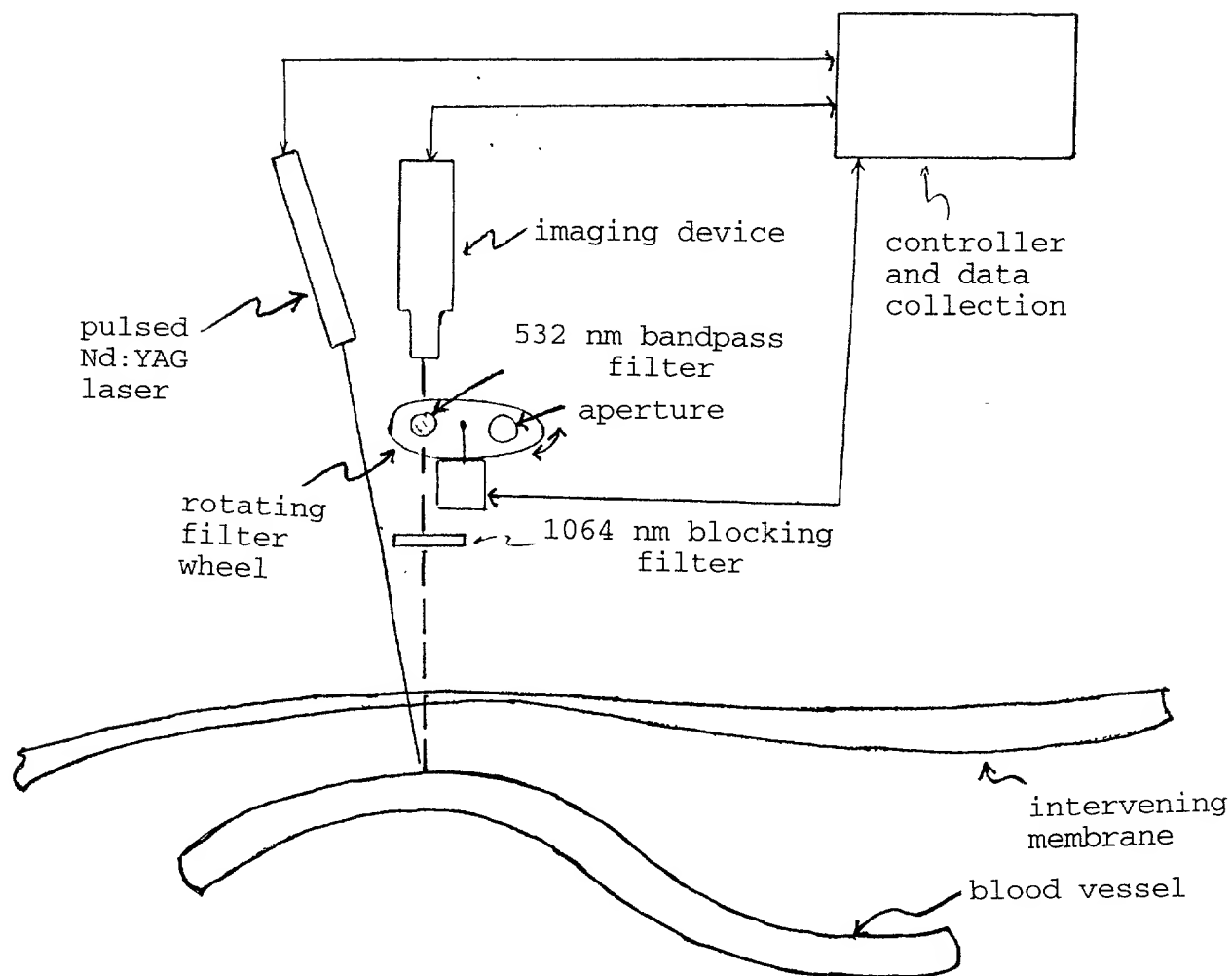


Fig. 5

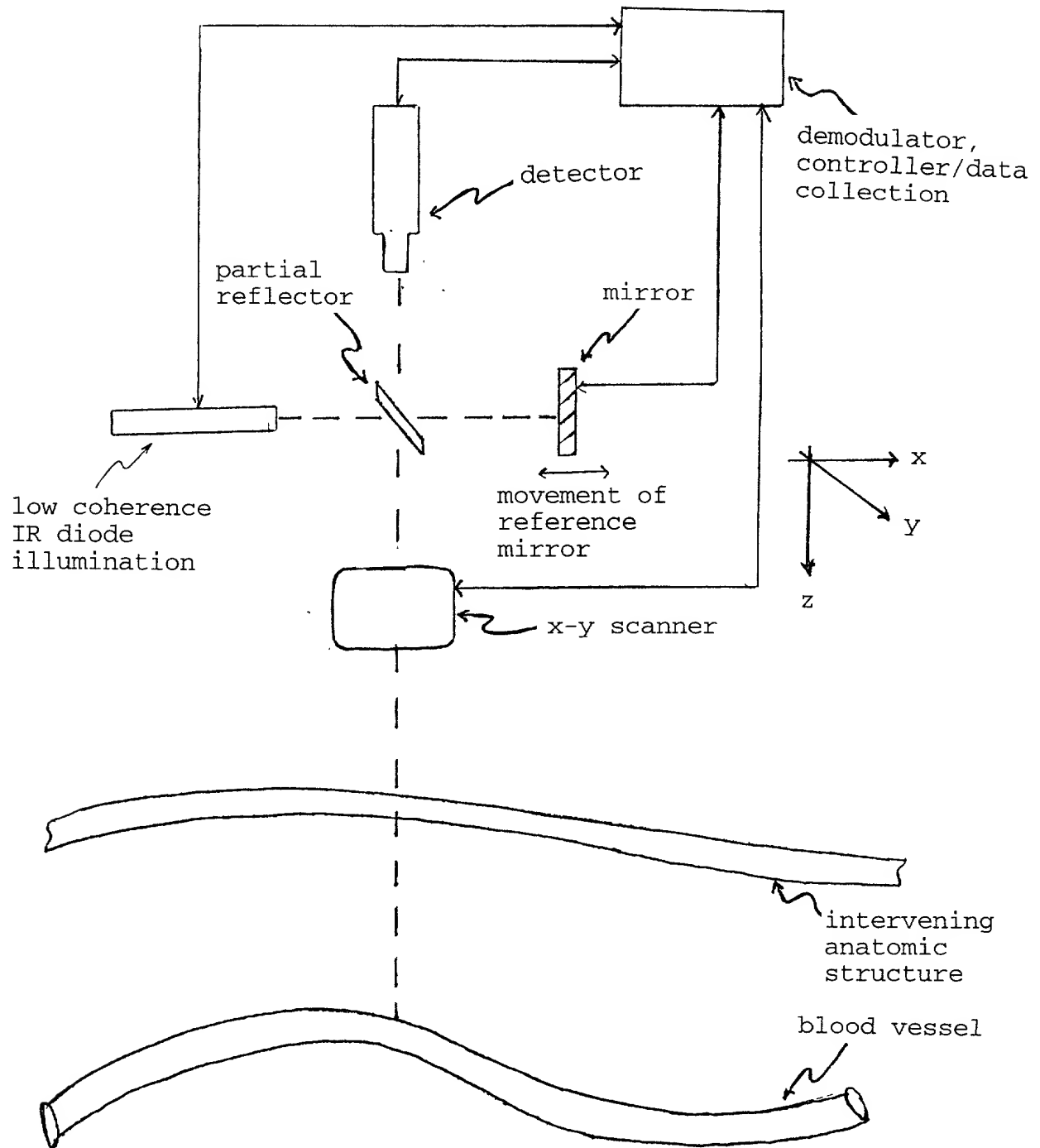


Fig. 6

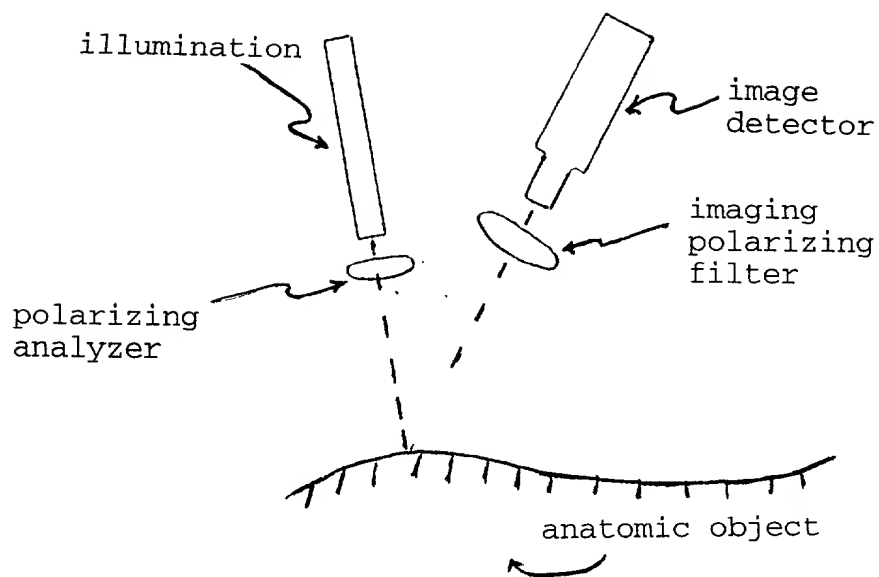


Fig. 7A

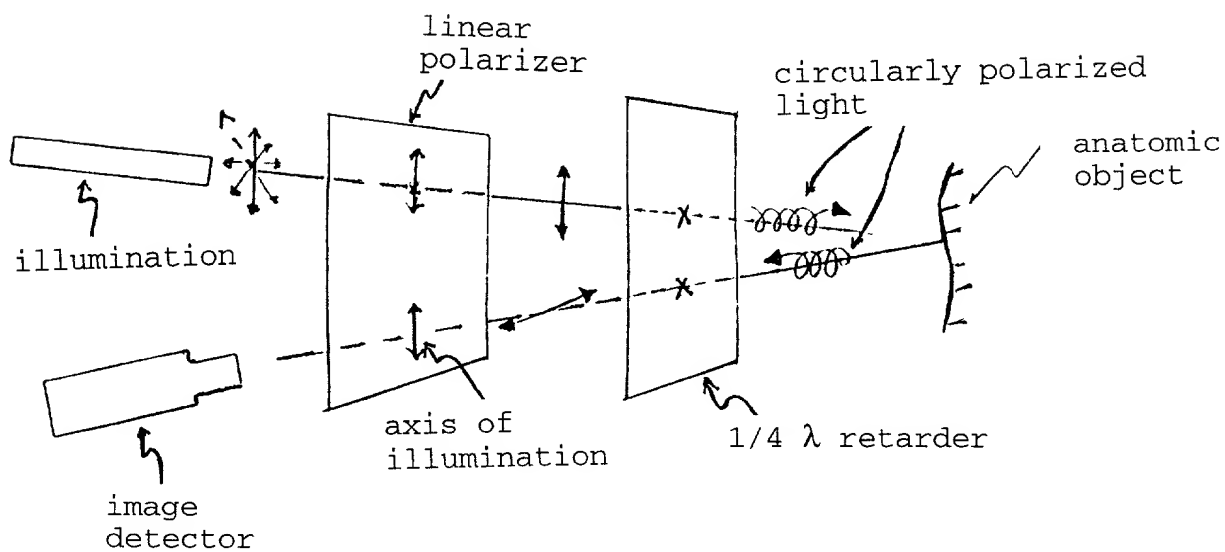


Fig. 7B

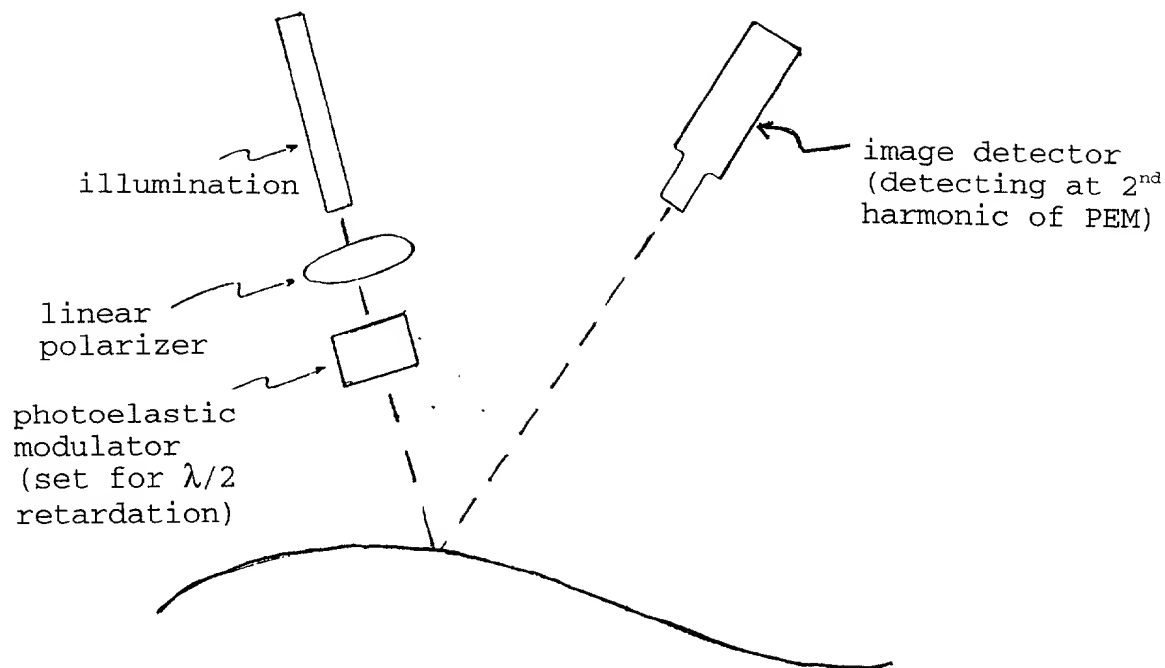


Fig. 7C

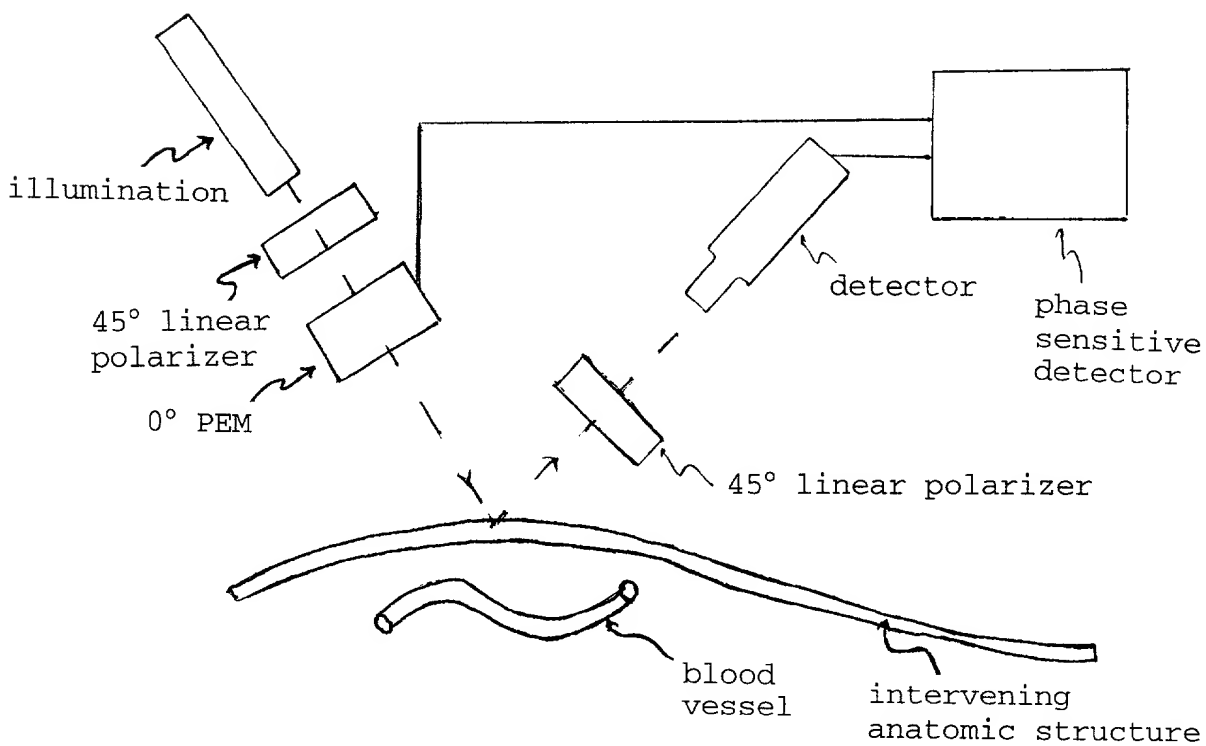


Fig. 7D

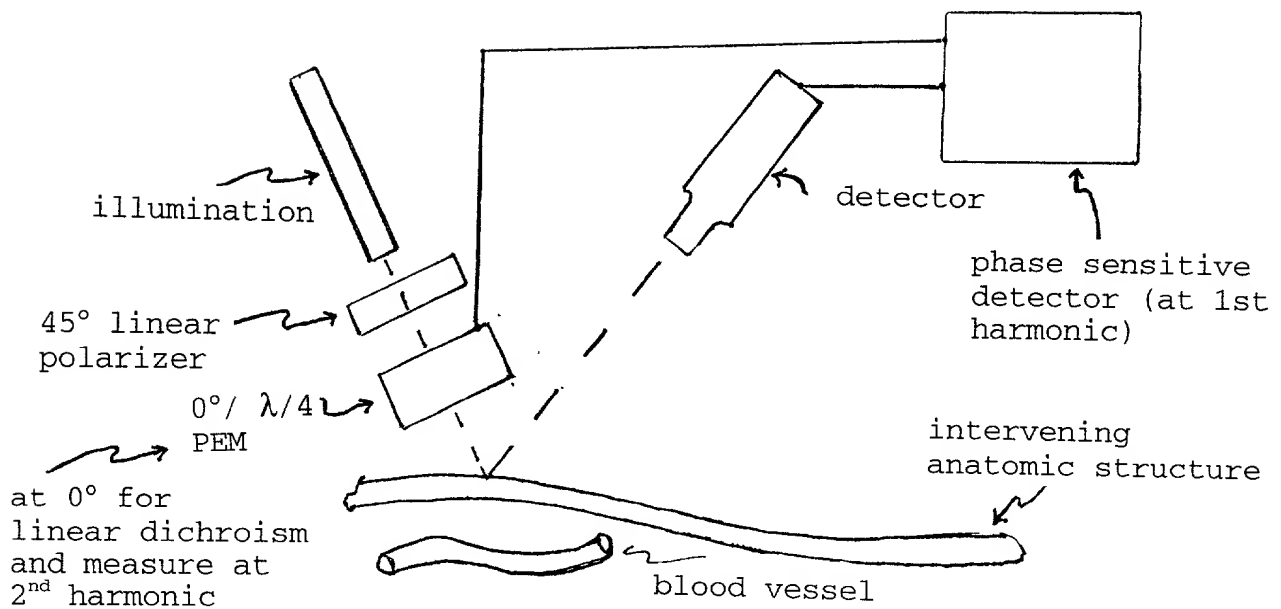


Fig. 7E

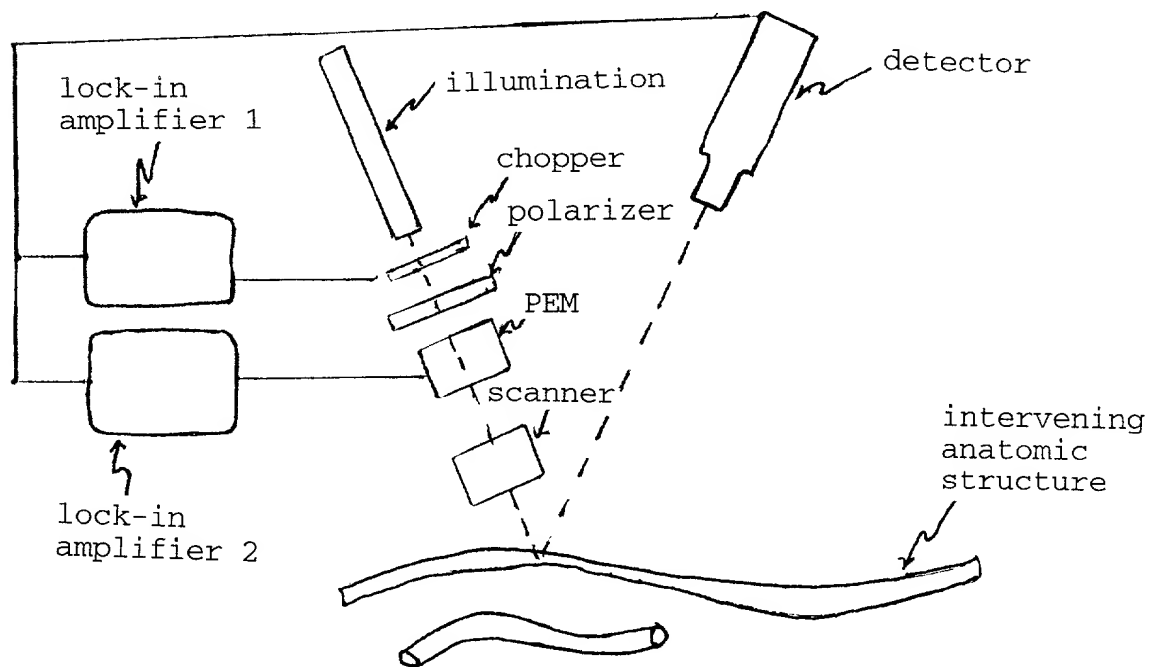


Fig. 7F

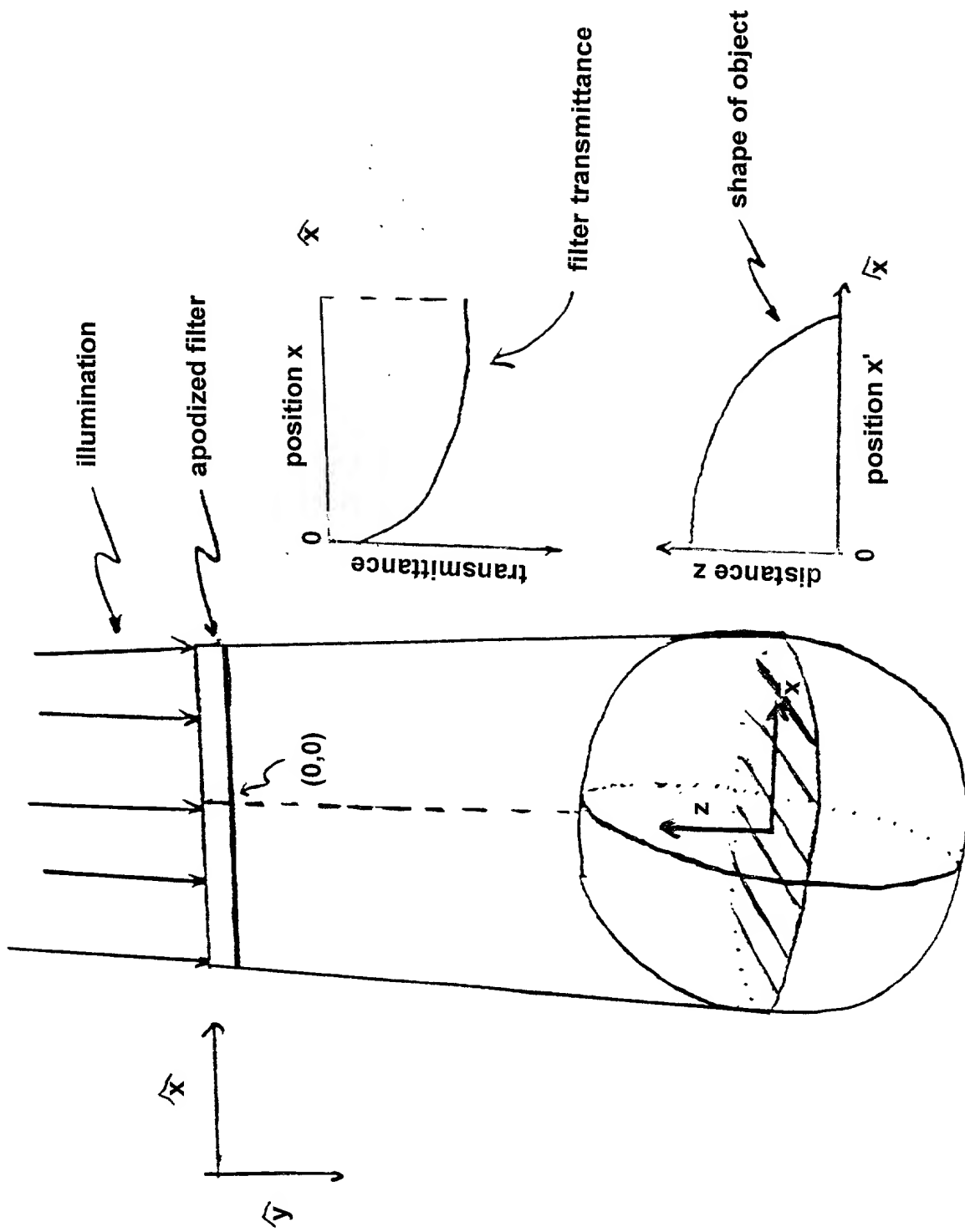
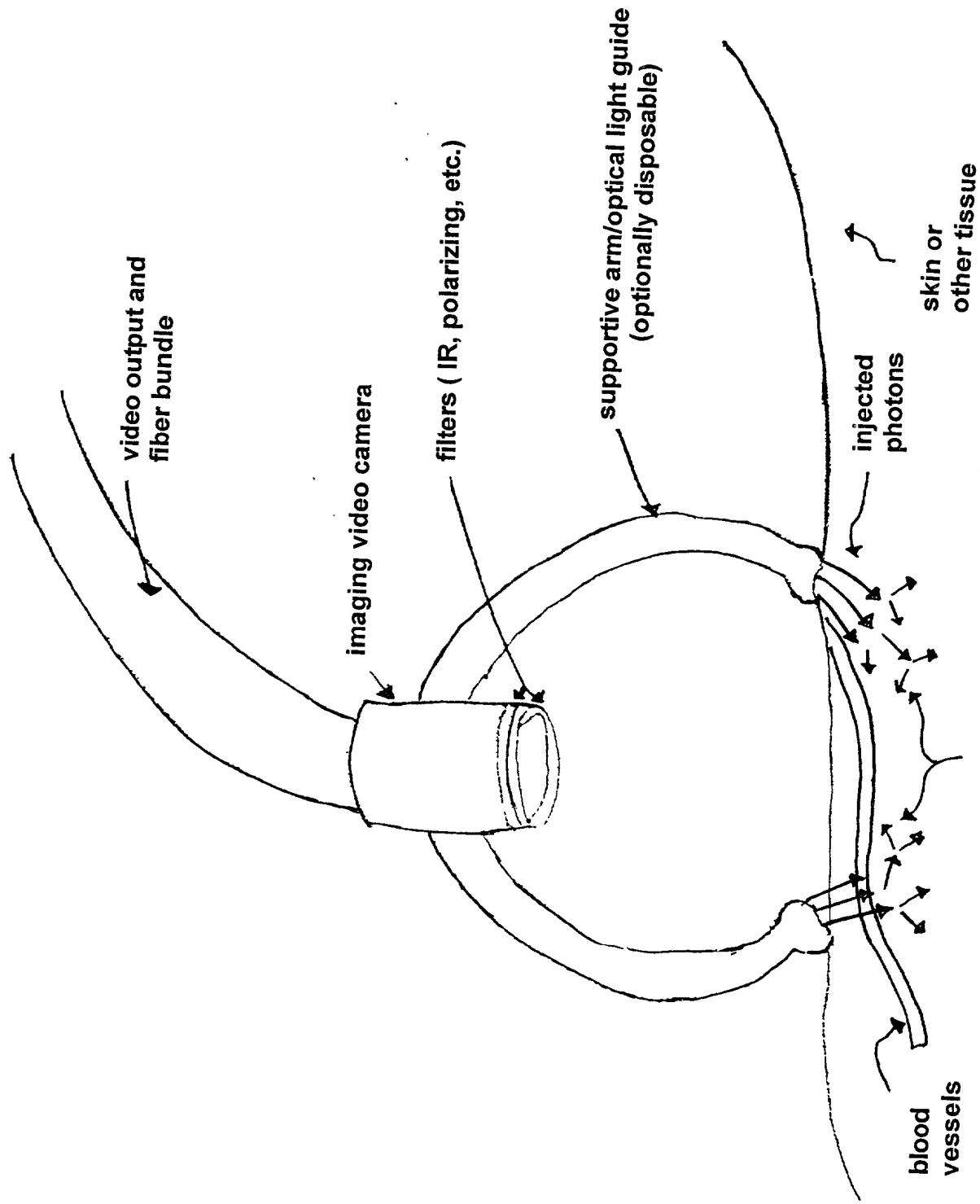


Fig. 8

FIG. 9 is a schematic diagram of a system for measuring the optical properties of tissue. The system includes an imaging video camera 10, a video output and fiber bundle 12, filters 14 (IR, polarizing, etc.), a supportive arm/optical light guide 16 (optionally disposable), and a skin or other tissue 18. The system is used to measure the optical properties of tissue by injecting photons 20 into the tissue and detecting scattered photons 22. The system also includes blood vessels 24.



scattered photons Fig. 9